Advanced Hawkeye

Training Industry Brief

AHE IPT Lead

Program Executive Officer
Tactical Aircraft Programs

OPNAV Sponsor
N780C2

Program Manager
PMA-231

NAVAIR
ORLANDO
TRAINING SYSTEMS DIVISION

E-2 Advanced Hawkeye Overview

Description: Radar Modernization Program - Advanced Hawkeye

Requirement: - Develop, Test and Procure New Radar Technologies
- Modernize the E-2 Weapons System
- Provide Improved Surveillance for Navy's Theater Air Missile Defense (TAMD) Architecture

ACAT: I(D)

MDA: USD(AT&L)

M/S: MS B June 03, IOC FY11

Contractors: Northrop-Grumman as Total Weapon System Prime

Lockheed-Martin as Radar Principal Subcontractor

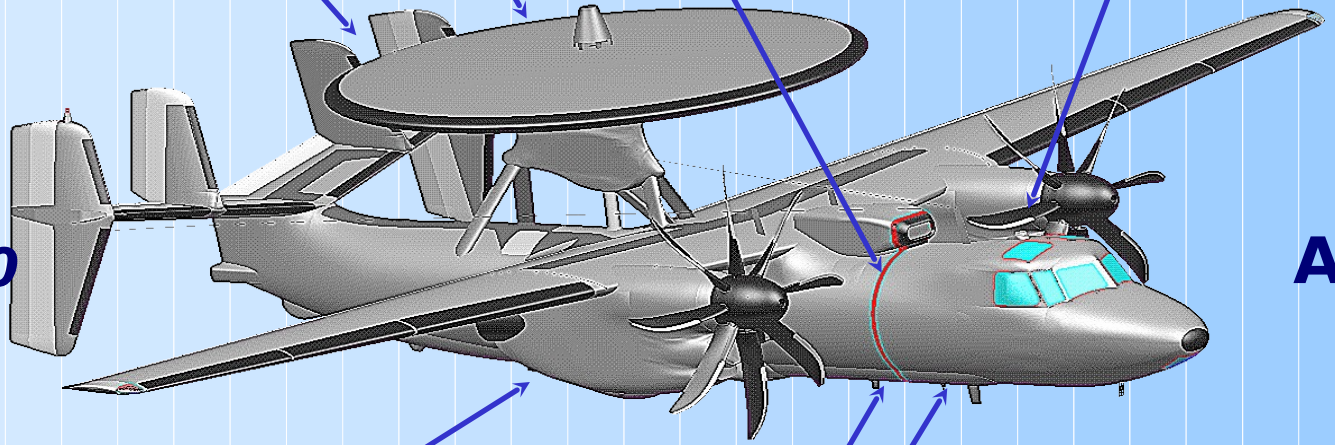
AHE Description

ADS-18 ESA
- Improved Rotodome Gearbox
- New Rotary Coupler Cooling System

TAMD Radar
- UHF band
- Improved Liquid Cooling

Upgraded Mission Computer

Improved IFF
- Co-Located ESA



HE2000

AHE

Upgraded Comm
- JTRS or ARC-210
- New ICS

Navigation Upgrade
- CNO Safety Mandates
- CNS/ATM

Air Vehicle
- Tactical Cockpit
- New Generators/Engine Gearbox
- Structural Upgrades
- Producibility/LCC Enhancemen

Training Situation Analysis (TSA)

- Conducted By Northrop Grumman (NGC), PMA205, And Orlando
- Team Will Be Conducting Interviews And Collecting Data From October ‘04 To October ’05
- Due Early FY06 (30 Days Post CDR – October ‘05)
- Updated As Necessary After This

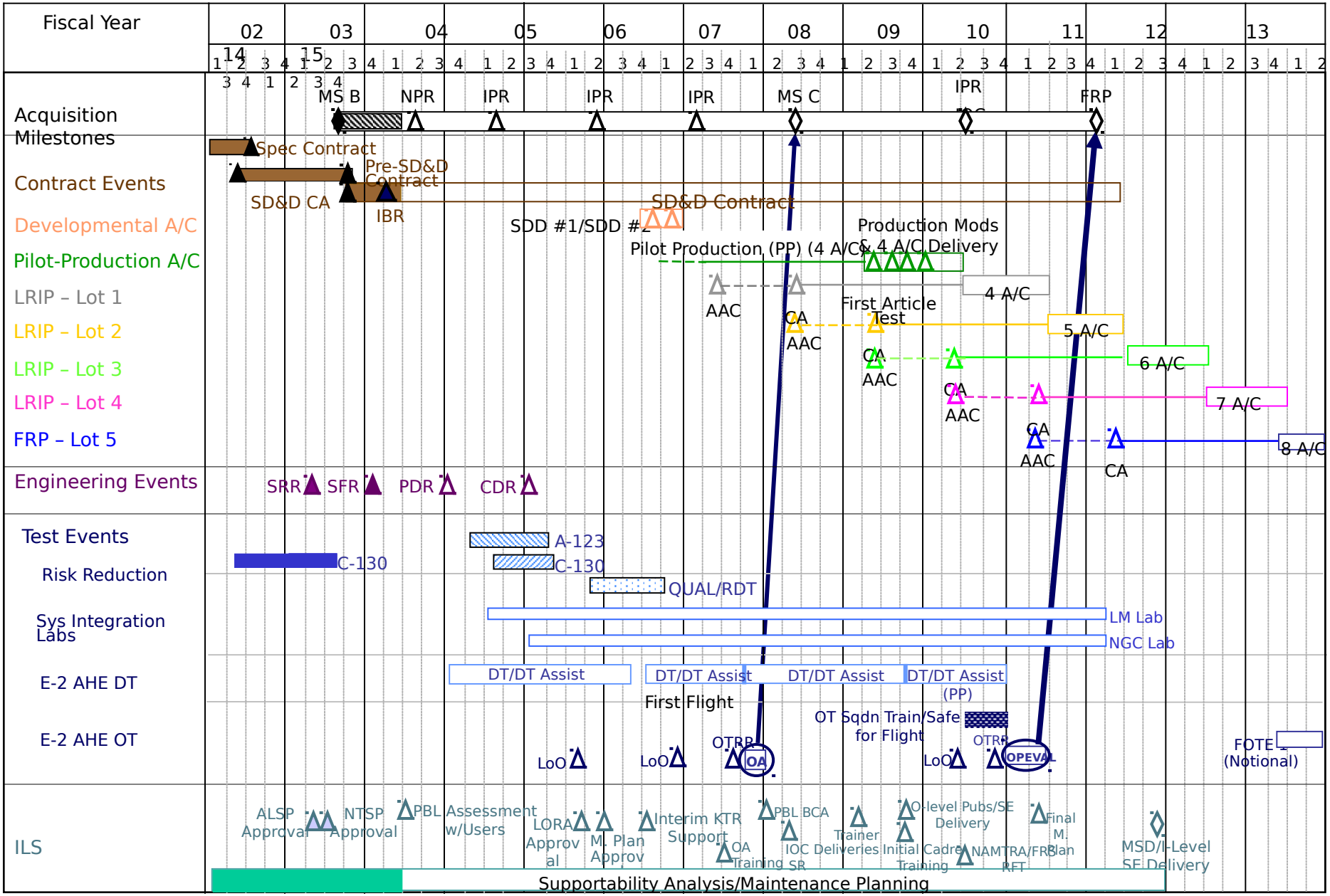
AHE Training Devices

- **Operational Flight Trainers (OFT) - 2**
  - Motion-based (?)
  - *Interoperable with WSTs to train tactical scenarios(?) Or not.*
  - NASMP requirements
- **Weapon System Trainers (WST) - 3**
  - Includes CEC and HLA networking to fighter and surface(?) training devices
  - *Can be linked to OFT for tactical training for entire crew (?) Or, has a Pseudo-Pilot station (?)*
  - NASMP requirements
- **Simulated Maintenance Trainer (SMT) - 2**
  - Used for training ATs/AEs in maintenance, troubleshooting, and repair of AHE avionics systems

AHE Training Products

- Training products being procured under AHE SD&D Contract:
  - NATOPS Source Data
  - Training Situation Analysis (TSA)
  - Instructional Performance Requirements Document
  - Training Program Structure Document
  - Instructional Media Package
  - Test Package
  - Instructional Media Requirements Document
  - Training Conduct Support Document (Lesson Plan and Trainee Guide)

E-2 Advanced Hawkeye Integrated Program Schedule



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Questions ?